

**ABSTRACT**

A tube for use in furnaces through which gas and liquid media are being passed from one end to the other while subjected to substantial heating resulting in decomposition. The cylindrical tube is made of a stainless iron-nickel-chromium-base alloy comprising in weight-% maximum 0.08% C, 23-27% Cr, 33-37% Ni, 1.3-1.8% Mn, 1.2-2% Si, 0.08-0.25% N, 0.01-0.15% rare earth metals, and balance Fe and usual impurities. The cylindrical tube has a smooth outer surface and an inner surface provided with valleys or recesses extending longitudinally with a smoothly curved bottom profile.

**AMENDMENTS TO THE DRAWINGS:**

Attached hereto are replacement drawing sheets. These changes are consistent with the specification amendments contained in this paper. The changes are also indicated on the attached annotated drawing sheets.